

WE CLAIM:

1 1. A vacuum deaeration device comprising:
2 a vacuum container; and
3 a transmission film mounted in said vacuum container, said transmission film allowing only
4 gas to pass and preventing liquid from being transmitted, pressure within said vacuum container
5 being reduced to deaerate resolved gas from deaerated liquid through said transmission film, said
6 transmission film being manufactured from a paste material mixture of a high volatility dispersion
7 liquid composed of linear chain-like paraffin substances not containing any aromatic and olefin
8 substances, and particle plastic substrate that is extruded and baked.

1 2. A vacuum deaeration device in accordance with claim 1, wherein said plastic
2 substrate is polytetrafluoroethylene.

1 3. A vacuum deaeration device comprising:
2 a vacuum container; and
3 a transmission film mounted in said vacuum container, said transmission film
4 allowing only gas to pass and preventing liquid from being transmitted, pressure with in said
5 vacuum container being reduced to deaerate resolved gas from deaerated liquid said transmission
6 film, said transmission film being manufactured from a paste material mixture of a dispersion
7 liquid composed of at least two substrates selected from the group consisting of n-hexane, n-
8 heptane, and n-octane, not containing any aromatic and olefin substances, and particle plastic
9 substrate that is extruded and baked.